

## Dominion® KX 101



Features	Benefits
<b>Hardware Features</b>	
Powering via Power over Ethernet (PoE) or power adapter	The KX101 user can have the convenience of powering the device through two provisions; Power over Ethernet (Mid Span Power Insertion or Signal Pair Power Insertion) an AC/DC power adapter.
Serial Admin Console Port	The serial Admin console port provides an efficient way for the user to conduct configuration and diagnostics of the KX101, as well as, recover the factory default configuration.
One 10/100 Base-T Ethernet Port	Dominion KX101 provides a highly reliable Ethernet port for user access.
Sub 1U Form Factor	In its small form factor Dominion KX101 is highly space efficient and rack mountable.
Customized Rack Mounting Kit	Versatile rack mounting bracket for horizontal mounting, accommodating U size target servers, or vertical unit mounting on either side of the rack.
Integrated Target Harness	Enables quick installation of Dominion KX101 to the target server via a video connection and an integrated USB or PS2, keyboard and mouse "pigtail" attachment.
Hot Plug	On most Operating Systems the KX101 keyboard and mouse connections can be hot plugged. Additionally, KX101 can be swapped while the target server is still on, thus minimizing server downtime.
Keyboard and Mouse Emulation	With embedded Keyboard and Mouse emulation (KME) circuitry, the server will boot up properly while the KX101 is attached to it, even if the KX101 does not have power.
Advanced Video Resolution Detection Hardware	Dominion KX101 hardware employs Raritan's next generation KVM-over-IP technology with advanced video resolution detection hardware. The user will benefit from fast video response and accuracy when switching among screens while in remote access mode.

<b>Connectivity Features</b>	
Unblocked KVM-over-IP Port	Dominion KX101 provides an always available, user assigned, KVM-over-IP port allowing for unblocked access to a target server.
Remote Network Access	Dominion KX101 extends Raritan's superior KVM Interface Module (KIM) video compression circuitry, an industry renowned high-performance KVM-over-IP technology. Users can access Dominion KX101 from anywhere on the network (LAN, WAN, Internet), allowing administrators to troubleshoot, reconfigure, reboot and conduct overall target server maintenance remotely.
<b>Client Access and Control</b>	
Universal KVM Client Access – Anytime, Anywhere	The Dominion KX101 provides a universal level of KVM access through the industry's broadest and most flexible OS, platform, and browser access. Access targets from multiple computer platforms, through the leading browsers or standalone, with no client license fees or cumbersome software licensing.
KX Manager	KX Manager provides the user with full capability of configuring the KX101 after it is connected to the network.
Raritan Remote Client (RRC)	The Raritan Remote Client (RRC) provides a comprehensive management software suite for a user to control and configure the KX101 and access the target KVM on Windows OS.
Multi-Platform Client	Raritan's Java based Multi-Platform Client (MPC) enables access to a wide variety of operating systems including Linux, Sun/Solaris and Macintosh.
Web Accessible Client	Users can access Dominion KX101 via web browser for anytime, anywhere access. Raritan's client software is automatically downloaded from the KX101; eliminating the need to install "client" software on each user desktop.
Leading Browser Support	Raritan's client software supports major Web browsers including; Internet Explorer, Mozilla Firefox and Netscape.
Admin Configurable Clock	The KX101 user has the option to configure the KX101 clock manually or synchronize it automatically with Network time Protocol (NTP/SNTP) enabling the user to synchronize the local system clock with the target server clock
Simple Network Management Protocol (SNMP)	For convenient monitoring, KX101 features and SNMP agent that responds to SNMP GET requests. The user will benefit from information such as system uptime and system admin contact info.
Intuitive Graphical User Interface (GUI)	The Dominion KX101 client GUI is ergonomically designed to be intuitive and easy to use, allowing "casual users" to easily interact with the system.
Raritan Virtual Desktop	Raritan's Virtual Desktop provides a new generation of KVM access and control that offers a connection to the target server virtually indistinguishable from a direct connection. The Virtual Desktop is based on Raritan innovations, such as: Full Screen Video, Transparent Keyboard Handling, Intelligent Mouse Synchronization, Flexible Video Scaling, and Fast Video Switching.

Intelligent Mouse Synchronization	Most KVM switches require the customer to manually adjust the mouse motion and mouse acceleration settings for all connected target servers, for each KVM user. With the Dominion KX101 Intelligent Mouse option, no manual configuration is required for most servers. This further enhances the KX101 plug-and-play functionality.
USB Absolute Mouse Positioning	A superior mouse synchronization method for Windows OS that eliminates the need for periodic, manual or automatic mouse synchronization
Full Screen Video Display	With the Dominion KX101 Full Screen Video Display, users appear to be directly connected to the target server. The user views the full video display from the target server without window borders or toolbars.
Flexible Video Scaling	In many instances the user would like to “scale,” i.e. stretch or compress the target server’s video display to fit the display window on the client. With the KX101 flexible scaling, the customer is not restricted to fixed sized windows, but can drag the window border to the desired size, including small thumbnail views.
Fast Video Switching	Once the Dominion KX101 advanced video resolution detection has calculated the target servers video characteristics, connections to the server occur almost instantaneously. This gives the KX101 user immediate access to all connected servers.
Transparent Keyboard Handling	Transparent Keyboard Handling means that virtually all user keystrokes are sent to the target server and not processed by the desktop client. This key feature of the Raritan Virtual Desktop eliminates the need for most keyboard macros and allows the user to directly interact with the target server with a higher level of connectivity.
<b>Software Features</b>	
“Plug and Play” Appliance – Quick and Easy Setup	Dominion KX101 is a completely self-contained system (i.e. an appliance) which requires minimal configuration for quick and easy target access.
15-bit Color Support	Dominion KX101 improves upon Raritan’s award-winning KVM-over-IP technology with the introduction of 15-bit color support (32,000 colors), enabling higher video quality over the network. Multiple color modes, as well as greyscale, are available to connect via modem or in low bandwidth situations.
PC Share Mode	Up to 8 users can remotely access the same server. This feature is useful in administrator collaboration for teamed troubleshooting of servers.
Automatic and Manual Bandwidth Utilization	In auto detection mode video performance is automatically configured to match the available network bandwidth. Bandwidth may be configured manually, as well.
Real-Time Server Status and Availability	Users can easily determine, via the user interface, if a given server is currently accessible/available.

<b>Security Features</b>	
128-bit SSL Encryption	Dominion KX101 incorporates an extremely high level of data security to ensure that customer server environments are protected from malicious hackers.
Video Encryption	Dominion KX101 securely encrypts the video stream in addition to keyboard and mouse data.
RADIUS, LDAP and Active Directory® Integration	Dominion KX101 integrates with industry-standard RADIUS and Active Directory servers by using RADIUS and LDAP protocols, respectively. This allows KX101 to authenticate users from existing accounts.
Local Authentication with Users, Groups and Permissions	In addition to local authentication, the KX101 supports remote authentication. Administrators can define users and groups with customizable administration and access permissions.
Multiple Security Features	Dominion KX101 offers many additional security features including strong password checking, access control lists, private device keys, group permissions, etc.
<b>Video Resolution</b>	
Up to 1600X1200 @ 60Hz	Dominion KX101 provides scalable resolutions as configured by operating systems and up to a maximum of 1600X1200 60Hz resolution, meeting the maximum resolution supported by Windows Operating systems.
<b>Network configuration</b>	
Compliance with IETF protocols	KX101 communicates via TCP/IP protocol and can be assigned an IP address or can be automatically configured for a dynamic IP address via a DHCP server.
<b>Management Features</b>	
Remote Management and Administration	Administrators can perform all management, administration, and configuration operations using a simple graphical user interface, from the convenience of their desktop.
Raritan CommandCenter® Integration	Dominion KX101 features complete CommandCenter integration, allowing enterprise users to consolidate all Dominion devices into a single logical system, with a single IP address, and a single management interface.
Firmware Upgrade over Ethernet	Dominion KX101 firmware upgrades can be downloaded directly from <a href="http://Raritan.info">Raritan.info</a> and upgrades can be performed via the network.
Failsafe Firmware Upgrade	KX101 will revert to the last firmware loaded in its memory in case of malfunction during firmware upgrade. This will enable the user to continue and operate KX101 before attempting to restart the firmware upgrade process.